

STEREO MOC Status Report
Time Period: 2019:147 - 2019:153

STEREO Ahead (STA) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 149, a short test track with the DSN test station, DTF-21, was conducted to test the command binding fix of the new command workstation in the MOC using CCSDS SLE bluebook version 4. The initial issue of the command and control application crashing after commanding binding multiple times was recreated. After the software patch was applied, 50 repeated command binds were successful and a no-op command was sent satisfactory.
- On day 150, during the DSS-34, turbo decoder lock was lost briefly at 0427z and 0612z. This anomaly resulted in the loss of six frames of SSR data.
- On day 150, another short test track with the DSN test station, DTF-21, was conducted to test the command binding fix of the new command workstation in the MOC using CCSDS SLE bluebook version 4. 35 repeated command binds were successful and a no-op command was sent satisfactory.
- On day 153, during the DSS-14 support, DTT v13.3 PITs was to validate tracking and telemetry performance. The MOC sent four commands successfully and all telemetry was received as expected.

2. The following spacecraft/instrument events occurred during this week. The Ahead observatory operated nominally during this week.

- The average daily science data return for Ahead was 6.2 Gbits during this week.